



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Patent Application

Inventor (s) Jari M. Heinonen  
Michael R. Hirano

Serial No. 09/593,215

Art Unit Unknown

Filing Date June 14, 2000

Examiner Unknown

Title: Apparatus and Method for Synchronization in a Multiple-Carrier  
Communication System by Observing a Plurality of Synchronization  
Indicators

BOX: DISCLOSURE

Assistant Commissioner for Patents  
Washington, D.C. 20231

SIR:

INFORMATION DISCLOSURE STATEMENT

In accordance with 37 CFR 1.97(b), the enclosed Information Disclosure Statement, with attached reference(s), is submitted for consideration in the above-identified application.

A copy of each of the listed documents is enclosed.

NO FEE REQUIRED.

The Examiner is respectfully requested to make the listed documents of record in connection with the prosecution of the subject application.

Respectfully,

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PTO/SB/21 REV 1 (12/97)

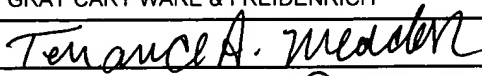
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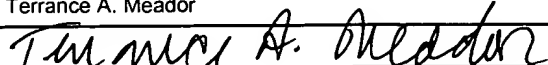
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

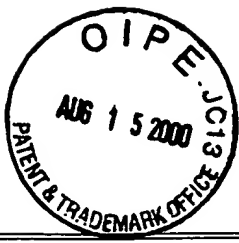
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	Application Number	09/593,215	
	Filing Date	June 14, 2000	
	First Named Inventor	Jari M. Heinonen	
	Examiner Name	Unknown	
	Group Art Unit	Unknown	
Total Number of Pages in This Submission	4 pages + refs + 2 postcards	Attorney Docket Number	1999-0336 (STG162) (103567-156902)

ENCLOSURES (check all that apply)		
<input type="checkbox"/> Fee Transmittal Form	<input type="checkbox"/> Assignment Papers (for an Application)	<input type="checkbox"/> After Allowance Communication to Group
<input type="checkbox"/> Fee Attached	<input type="checkbox"/> Drawing(s)	<input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences
<input type="checkbox"/> Amendment/Response	<input type="checkbox"/> Licensing-related Papers	<input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief)
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<input type="checkbox"/> Express Abandonment Request	<input type="checkbox"/> Power of Attorney, Revocation	<input checked="" type="checkbox"/> Additional Enclosure(s) (please identify below):
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<input checked="" type="checkbox"/> PTO Form 1449	<input type="checkbox"/> Terminal Disclaimer	
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SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT	
Firm or Individual Name	Terrance A. Meador Reg. No. 30,298 GRAY CARY WARE & FREIDENRICH
Signature	
Date	9 August 2000

CERTIFICATE OF MAILING			
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Typed or printed name	Terrance A. Meador	Date	9 August 2000
Signature			

SHEET 1 OF 1

Form PTO-1449

**INFORMATION DISCLOSURE CITATION  
IN AN APPLICATION**  
(Use Several Sheets If Necessary)

Docket No: 1999-0336 (STG 162)

Application No: 09/593,215

Applicant: J. Heinonen et al.

Filing Date: 6/14/2000

Group Art Unit: (unknown)

**U.S. PATENT DOCUMENTS**

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	5,596,582 •	01/21/97	Sato et al.	370	509	
	5,774,450 •	06/30/98	Harada et al.	370	206	

**FOREIGN PATENT DOCUMENTS**

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO

**OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)**

	A1	Lawrey, Eric, OFDM Results, <a href="http://www.eng.jcu.edu.au/eric/thesis/Thesis">http://www.eng.jcu.edu.au/eric/thesis/Thesis</a> , <a href="http://www.eng.jcu.edu.au/eric/thesis/chapter1.htm">http://www.eng.jcu.edu.au/eric/thesis/chapter1.htm</a> (September 24, 1999), <a href="http://www.eng.jcu.edu.au/eric/thesis/chapter2.htm">http://www.eng.jcu.edu.au/eric/thesis/chapter2.htm</a> and <a href="http://www.eng.jcu.edu.au/eric/thesis/appendix.htm">http://www.eng.jcu.edu.au/eric/thesis/appendix.htm</a> , November 5, 1999 (56 pgs)
	A2	Speth, Michael, OFDM Receivers for Broadband-Transmission, OFMD, <a href="http://www.ert.rwth-aachen.de/Projekte/Theo/OFDM/www_ofdm.html">http://www.ert.rwth-aachen.de/Projekte/Theo/OFDM/www_ofdm.html</a> ..... <a href="http://www.ert.rwth-aachen.de/Projekte/Theo/OFDM/www_ofdm.html">node1.html</a> through <a href="http://www.ert.rwth-aachen.de/Projekte/Theo/OFDM/www_ofdm.html">node9.html</a> , November 8, 1999 (15 pgs)
	A3	Speth, Michael, et al., "Broadband Transmission Using ODM: System Performance and Receiver Complexity", (7 pgs) (date unknown)

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if citation is considered, whether or not citation is in conformance with MPEP '609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.

(2/92 PTO)